

A. Nelson

CRF Editor Corrected by th STIC Syst Branch

Serial Number: 08/908,884

versus #5  
CRF Processing Dat : 7/29/98 8/28/98  
Edited by: A  
Verified by: A (STIC staff)

Changed a file from non-ASCII to ASCII  
 Changed the margins in cases where the sequence text was "wrapped" down to the next line.  
 Edited a format error in the Current Application Data section, specifically:

**ENTERED**

Edited the Current Application Data section with the actual current number. The number inputted by the applicant was  the prior application data; or  other \_\_\_\_\_

Added the mandatory heading and subheadings for "Current Application Data".

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

Inserted colons after headings/subheadings. Headings edited included:

Deleted extra, invalid, headings used by an applicant, specifically:

Deleted:  non-ASCII "garbage" at the beginning/end of files;  secretary initials/filename at end of file;  page numbers throughout text;  other invalid text, such as \_\_\_\_\_

Inserted ~~mandatory~~ headings, specifically: Seq 28 - added "TYPE" "to MOLECULE"

Corrected an obvious error in the response, specifically:

Edited identifiers where upper case is used but lower case is required, or vice versa.

Corrected an error in the Number of Sequences field, specifically:

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

Deleted ~~ending~~ stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_

Other:

\_\_\_\_\_  
\_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

### **INPUT SET: S3378.raw**

**This Raw Listing contains the General Information Section and up to the first 5 pages.**

SEQUENCE LISTING

ENTERED

1 (1) General Information  
2  
3 (i) APPLICANT: Dong et al.  
4  
5 (ii) TITLE OF INVENTION: ACQUIRED RESISTANCE GENES AND USES THEREOF  
6  
7 (iii) NUMBER OF SEQUENCES: 28  
8  
9 (iv) CORRESPONDENCE ADDRESS:  
10 (A) ADDRESSEE: Clark & Elbing LLP  
11 (B) STREET: 176 Federal Street  
12 (C) CITY: Boston  
13 (D) STATE: MA  
14 (E) COUNTRY: USA  
15 (F) ZIP: 02110  
16  
17  
18  
19 (v) COMPUTER READABLE FORM:  
20 (A) MEDIUM TYPE: Diskette  
21 (B) COMPUTER: IBM Compatible  
22 (C) OPERATING SYSTEM: DOS  
23 (D) SOFTWARE: FastSEQ for Windows Version 2.0  
24  
25  
26 (vi) CURRENT APPLICATION DATA:  
27 (A) APPLICATION NUMBER:  
28 (B) FILING DATE:  
29 (C) CLASSIFICATION:  
30  
31 (vii) PRIOR APPLICATION DATA:  
32 (A) APPLICATION NUMBER: 60/023,851  
33 (B) FILING DATE: August 9, 1996  
34  
35 (A) APPLICATION NUMBER: 60/035,166  
36 (B) FILING DATE: January 10, 1997  
37  
38 (A) APPLICATION NUMBER: 60/046,769  
39 (B) FILING DATE: May 16, 1997  
40  
41 (viii) ATTORNEY/AGENT INFORMATION:  
42 (A) NAME: Elbing, Karen L  
43 (B) REGISTRATION NUMBER: 35,238  
44 (C) REFERENCE/DOCKET NUMBER: 00786/339004  
45  
46

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/908,884DATE: 08/24/98  
TIME: 12:45:52

INPUT SET: S3378.raw

47 (ix) TELECOMMUNICATION INFORMATION:  
 48 (A) TELEPHONE: 617-428-0200  
 49 (B) TELEFAX: 617-428-7045

50

51

52

53 (2) INFORMATION FOR SEQ ID NO:1:

54

55 (i) SEQUENCE CHARACTERISTICS:  
 56 (A) LENGTH: 7548 base pairs  
 57 (B) TYPE: nucleic acid  
 58 (C) STRANDEDNESS: double  
 59 (D) TOPOLOGY: linear

60

61 (ii) MOLECULE TYPE: Genomic DNA

62

63 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

64

65 AAGCTTGTGA	TGCAAGTCAT	GGGATATTGC	TTTGTGTTAA	GTATACAAAA	CCATCACGTG	60
66 GATACATAGT	CTTCAACCCA	ACCACTAAAC	AGTATCAGGT	CATACCAAAG	CCAGAAAGTGA	120
67 AGGGTTGGGA	TATGTCATTG	GGTTTAGCGG	TAATCGGATT	GAACCCCTTC	CGGTATAAAA	180
68 TACAAAGGCT	TCGCAGTCT	CGCGTATGTT	GTATGTCCTCG	GGGTATCTAC	CATTTGAATC	240
69 ACAGAACTTT	TATGTGCGAA	GTTCGATT	CTGATTGTT	TACCTGGAAG	AGATTAGAAA	300
70 TTTGCGTCTA	CCAAAAACAG	ACAGATTAAT	TTTTTCCAAC	CCGATACAAG	TTTCGGGGTT	360
71 CTTGCATTGG	ATATCACCGA	ACAAACATGT	GATCCGGTT	TGTCTAAAAA	CCGAAACTTG	420
72 GTCCTTCTTC	CATACTCCGA	ACTCTGATGT	TTTCTCAGGA	TTAGTCAGAT	ACGAAGGGAA	480
73 GCTAGGTGCT	ATTCGTCAGT	GGACAAACAA	AGATCAAGAA	GATGTTCACG	AGTTATGGGT	540
74 TTTAAAGAGC	AGTTTGAAA	AGTCGTGGGT	TAAAGTGAAA	GATATTAAAAA	GCATTGGAGT	600
75 AGATTTGATT	ACGTGGACTC	CAAGCAACGA	CGTTGTATTG	TTTCGTAGTA	GTGATCGTGG	660
76 TTGCCTCTAC	AACATAAACG	CAGAGAAGTT	GAATTAGTT	TATGCAAAAAA	AAGAGGGATC	720
77 TGATTGTTCT	TTCGTTGTT	TTCCGTTTTG	TTCTGATTAC	GAGAGGGTTG	ATCTGAACGG	780
78 AAGAAGCAAC	GGGCCGACAC	TTTAAAAAAA	AAATAAAAAA	AATGGGCCGA	CAAATGCAAA	840
79 CGTAGTTGAC	AAGGATCTCA	AGTCTCAAGT	CTCAATTGGC	TCGCTCATCG	TGGGGCATAA	900
80 ATATATCTAG	TGATGTTAA	TTGTTTTTA	TAAGGTTAAA	AGGAATATTG	AATTTTGT	960
81 CTTAGGTTTA	TGTAATAATA	CCAAACATTG	TTTTATGAAT	ATTTAATCTG	ATTTTTGGC	1020
82 TAGTTATTTT	ATTATATCAA	GGGTTCTGT	TTATAGTTGA	AAACAGTTAC	TGTATAGAAA	1080
83 ATAGTGTCCC	AATTTCTCT	CTTAAATAAT	ATATTAGTTA	ATAAAAGATA	TTTAATATA	1140
84 TTAGATATAC	AATAATATCT	AAAGCAACAC	ATATTTAGAC	ACAACACGTA	ATATCTTACT	1200
85 ATTGTTACA	TATATTATA	GCTTACCAAT	ATAACCCGTA	TCTATGTTT	ATAAGCTTT	1260
86 ATACAATATA	TGTACGGTAT	GCTGTCCACG	TATATATATT	CTCCAAAAAA	AACGCATGGT	1320
87 ACACAAAATT	TATTAATAT	TTGCAATTG	GGTGTATTAC	TAAAGTTTAT	CACAATATTT	1380
88 ATCAACTATA	ATAGATGGTA	GAAGATAAAA	AAATTATATC	AGATTGATTC	AATTAAATTT	1440
89 TATAATATAT	CATTTAAAAA	AATTAATTAA	AAGAAAACTA	TTTCATAAAA	TTGTTCAAAA	1500
90 GATAATTAGT	AAAATTAAATT	AAATATGTGA	TGCTATTGAA	TTATAGAGAG	TTATTGTAAA	1560
91 TTTACTTAAA	ATCATAACAA	TCTTATCCTA	ATTTAACTTA	TCATTTAAGA	AATACAAAAG	1620
92 TAAAAAACGC	GGAAAGCAAT	AATTATTATA	CCTTATTATA	ACTCCTATAT	AAAGTACTCT	1680
93 GTTATTCAA	CATAATCTTA	CGTGTGTTGA	TTCATAGGCA	TCTTAAACCT	ATCTTTCAT	1740
94 TTTCTGATCT	CGATCGTTT	CGATCCAACA	AAATGAGTCT	ACCGGTGAGG	AACCAAGAGG	1800
95 TGATTATGCA	GATTCCTCT	TCTCTCAGT	TTCCAGCAAC	ATCGAGTCCG	AAAAACACCA	1860
96 ATCAAGTGAA	GGATGAGCCA	AATTGTTTA	GACGTGTTAT	GAATTGCTT	TTACGTCGTA	1920
97 GTTATTGAAA	AAGCTGATT	ATCGCATGAT	TCAGAACGAG	AAGTTGAAGG	CAAATAACTA	1980
98 AAGAAGTCTT	TTATATGTAT	ACAATAATTG	TTTTAAATC	AAATCCTAAT	AAAAAAATA	2040
99 TATTCAATT	GACTTTCATG	TTTTAAATGT	AATTATTCC	TATATCTATA	ATGATTTTG	2100

RAW SEQUENCE LISTING  
PATENT APPLICATION *US/08/908,884*DATE: 08/24/98  
TIME: 12:45:54INPUT SET: *S3378.raw*

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103	TTATCATTAA	ACTTCAAAGA	AAATAAACAG	AAATGTAACT	TTCACATGTA	AATCTAATTG	2340
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105	AATTTTATAT	ATTTATATCA	TCTCCAAATC	TAGTTGGTT	CAGGGGCTTA	CCGAACCGGA	2460
106	TTGAACTTCT	CATATACAAA	AATTAGCAAC	ACAAAATGTC	TCCGGTATAA	ATACTAACAT	2520
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108	ATTCCCTTCC	TGGAAATTAA	CCGGTTTTGG	TGAAATGTA	ACCGTGGGAC	GAGGATGCTT	2640
109	CTTCATATCT	CACCAACACT	CTCGTTGACT	GGACTTGGCT	CTGCTCGTCA	ATGGTTATCT	2700
110	TCGATCTTAA	ACCAAATCCA	GTTGATAAGG	TCTCTTCGTT	GATTAGCAGA	GATCTCTTTA	2760
111	ATTGTGAAT	TTCAATTCTAT	CGGAACCTGT	TGATGGACAC	CACCATTGAT	GGATTGCGCG	2820
112	ATTCTTATGA	AATCAGCAGC	ACTAGTTTCG	TCGCTACCGA	TAACACCGAC	TCCTCTATTG	2880
113	TTTATCTGGC	CGCCGAACAA	GTACTCACCG	GACCTGATGT	ATCTGCTCTG	CAATTGCTCT	2940
114	CCAACAGCTT	CGAATCCGTC	TTGACTCGC	CGGATGATTT	CTACAGCGAC	GCTAAGCTTG	3000
115	TTCTCTCCGA	CGGCCGGGAA	GTTCCTTCC	ACCGGTGCGT	TTTGTCAAGCG	AGAAGCTCTT	3060
116	TCTTCAAGAG	CGCTTAGCC	GCCGCTAAGA	AGGAGAAAAGA	CTCCAACAAAC	ACCGCCGCCG	3120
117	TGAAGCTCGA	GCTTAAGGAG	ATTGCCAAGG	ATTACGAAGT	CGGTTTCGAT	TCGGTTGTGA	3180
118	CTGTTTGGC	TTATGTTTAC	AGCAGCAGAG	TGAGACCGCC	GCCTAAAGGA	GTTTCTGAAT	3240
119	GCGCAGACGA	GAATTGCTGC	CACGTGGCTT	GCCGGCCGGC	GGTGGATTTC	ATGTTGGAGG	3300
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123	GTTATACTCA	AGCTTGCTAA	TATATGTGGT	AAAGCTGTA	TGAAGCTATTG	GGATAGATGT	3540
124	AAAGAGAGTA	TTGTCAAGTC	TAATGTAGAT	ATGGTTAGTC	TTGAAAAGTC	ATTGCGGAA	3600
125	GAGCTTGTAA	AAGAGATAAT	TGATAGACGT	AAAGAGCTTG	GTGTTGGAGGT	ACCTAAAGTA	3660
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137	ATGGAGATCG	CCGAAATGAA	GGGAACATGT	GAGTTCATAG	TGACTAGCCT	CGAGCCTGAC	4380
138	CGTCTCACTG	GTACGAAGAG	AACATCACCG	GGTGTAAAGA	TAGCACCTT	CAGAACCTTA	4440
139	GAAGAGCATC	AAAGTAGACT	AAAAGCGCTT	TCTAAAACCG	GTATGGATT	TCACCCACTT	4500
140	CATCGGACTC	CTTATCACAA	AAAACAAAAC	TAAATGATCT	TTAACATGG	TTTTGTTACT	4560
141	TGCTGTCTGA	CCTTGTTTT	TTATCATCAG	TGGAACTCGG	GAAACGATT	TTCCCGCGCT	4620
142	GTCGGCAGT	GCTCGACCA	ATTATGAACT	GTGAGGACTT	GACTCAACTG	GCTTGGGAG	4680
143	AAGACGACAC	TGCTGAAGAA	ACGACTACAA	AAGAAGCAA	GGTACATGGA	AATACAAGAG	4740
144	ACACTAAAGA	AGGCCTTGT	TGAGGACAAT	TTGGAATTAG	GAAATTGTC	CCTGACAGAT	4800
145	TCGACTTCTT	CCACATCGAA	ATCAACCGGT	GGAAAGAGGT	CTAACCGTAA	ACTCTCTCAT	4860
146	CGTCGTCGGT	GAGACTCTTG	CCTCTTAGTG	TAATTTTG	TGACCATAT	AATTCTGTTT	4920
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148	TGCATCCTGT	GTATTATTG	TGCAAGGTGTG	CTTCAAACAA	ATGTTGTAAC	AATTGAAACC	5040
149	AATGGTATAC	AGATTTGTA	TATATATTAA	TGTACATCAA	CAATAACCCA	TGATGGTGT	5100
150	ACAGAGTTGC	TAGAATCAA	GTGTGAAATA	ATGTCAAATT	GTTCATCTG	TGGATATT	5160
151	CCACCAAGAA	CCAAAAGAA	ATTCAAGTTC	CCTGAACCTC	TGGCAACATT	CATGTTATAT	5220
152	GTATCTTCCT	AATTCTTC	TTAACCTTTT	GTAACTCGAA	TTACACAGCA	AGTTAGTTTC	5280

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/908,884DATE: 08/24/98  
TIME: 12:45:56

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155	ATACATGGAA	ACTTCTTCGA	TTGAAACTTC	CCACATGTGC	AGGTGCGTTC	GCTGTCACTG	5460
156	ATAGACCAAG	AGACTGAAAG	CTTTCACAAA	TTGCCCTCAA	ATCTTCTGTG	TCTATCGTCA	5520
157	TGACTCCATA	TCTCCGACCA	CTGGTCATGA	GCCAGAGCCC	ACTGATTTG	AGGAAATTGG	5580
158	GCTAACCAATT	TCCGAGCTTC	TGAGTCCTTC	TTTTGTATGT	CCCTTATGTA	GGAATCAAAT	5640
159	TCTTCCTTCT	GACTTGTGGA	TCCAGCCTGC	TTCACAAAGC	TCACCAGGTT	GTAGTCTCCA	5700
160	AAAATATCAT	GGAATTGTAA	GCAAAAACAA	TCCAGACAGA	ACCTGTGATA	GACCCAAGGT	5760
161	TCTTGCCACA	GTGATCCGGG	TTCGTTAATA	ACAGCAACTA	TGTCGGGTG	AGGACTGGAG	5820
162	ACGAAGCAAA	CGTCTTCCT	TTGTGTTACC	TTCTCTCTGA	TATTAGTGAG	AAACCAACGC	5880
163	CAACTATCG	TGGACACTTC	TTTGGTAAGC	GGAAAGCAAG	CGGGAAAAAC	AATCATCAGC	5940
164	GTCGAGTCCT	GAGGAAAATC	ATCAATTTC	TAGGGTACT	TGCCGTTCAA	GTCTTTGAA	6000
165	TCCACTATGA	TCAGAGGTCT	ACAGTGTGA	AACCCTCAA	TGACTGTGG	AAACGCCAA	6060
166	AACGCGCCAC	CGAAGGATGC	AAATTCAAGGA	TTAGGGAAAA	GCTCATATTG	CAGTCACAA	6120
167	GTAGCCCATT	AGATGAGTGA	AATGCAGCCA	ATTAGTTAG	GCAACTACTCT	GAAACTCTGA	6180
168	TCTTGATTA	CTTCCTGTTC	TGCTGCCGC	AGCTTGAAG	TTTAAGCAT	GTCACCAAAC	6240
169	TTTCAACTC	TGCTGTTAGA	GTGGGTTGTA	CCCTGATCAG	ACACTCAATC	TCTTCTGCTG	6300
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171	TTAGTTATCT	TAACAAGTCC	ATGTTCTTCT	ATTCAATCTG	CCCGACGCGA	CCAATTGCAT	6420
172	TTCCATCTGA	TGCATTAAA	CGTATACTCG	TCCTCTCAA	TCTCTTGTAC	TACACACTTT	6480
173	TGCTGCCCTC	TAATGGAACA	CCAGTCCACC	GCCTTCTCA	GTCATCCCT	ATCTTAAAAA	6540
174	CACAACCCTA	CACGCAATT	ATGATCATCA	ATCCACAAAC	TAGACAAAGT	ACACTGTTT	6600
175	GAAGCACTCG	AATCAACAAAC	ACCTTTACTT	AATAAGCACG	CATACGGTAA	TACCTCTAAG	6660
176	CCTGGCACAT	TCAAACCTTG	TGTGCATCAT	CTGAACCGA	GTTTTATCC	GTTATTCTC	6720
177	CATCCCCACC	TCCACGAGTG	CTACCAATTTC	CGAAGTCAGA	ATTTCCCTCG	TCTTCAATCC	6780
178	ACCCGTTACT	GTTACCCACT	CCCTGAACCT	CTAAACCATT	ATCTCTCTCT	ACTTTCACAG	6840
179	ATGCATGTGA	CACATAATCA	GTAGCTTCTT	GGGGTTGTTG	CGTCCCTCTGT	GTATTGAGG	6900
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182	CAAGCATAGT	CTCCAAACTA	GTGCGTTCA	CTACATGAAG	AAGTAGATAG	ATAAAGAGAT	7080
183	CCGGTGAACAC	AACTACAGGA	TACTTACCAA	AATATATTGA	ACACTGATT	CTGCAGCTGC	7140
184	AATCCAAAAA	TTGGATAAAAG	ACCATTCAAC	AATGTACTTA	ACGCAGTCTT	TTGCCTAAC	7200
185	TTGACCGTTT	TAGGAGTGGG	TCCTTCATAG	TAAACACCAT	CAGGACCATA	CTTGGTAGAA	7260
186	CCTTCTCTC	AAGGTTCCA	TCGCCATGAC	CATAACAGTC	CTGCAGTGAA	TTCTAAGAAA	7320
187	AATGTAAAAA	ATTTTGGCCT	AAACTCATAA	TTCTTAACAT	ACGAAACCAC	GGAGAACTCC	7380
188	ATGTCTAAAA	AATAAAGGCT	AAAGCTTTT	GGCGACAGAA	GCAGATAAAAT	CCATTCAAAA	7440
189	CACATAAAACT	CTAAACAATA	AACAGTGATA	CTCAATACTA	AGACTTGTAA	AGGTCTACGT	7500
190	AACTCAAAAC	TGGAGAATTG	TCAGATCGGG	TGTGGCTAGT	AGAAGCTT		7548

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192 (2) INFORMATION FOR SEQ ID NO:2:  
193

194 (i) SEQUENCE CHARACTERISTICS:  
 195 (A) LENGTH: 2104 base pairs  
 196 (B) TYPE: nucleic acid  
 197 (C) STRANDEDNESS: double  
 198 (D) TOPOLOGY: linear

199 (ii) MOLECULE TYPE: cDNA  
 200 (ix) FEATURE:

201 (A) NAME/KEY: Coding Sequence  
 202 (B) LOCATION: 93...1871  
 203 (D) OTHER INFORMATION:

205

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/908,884DATE: 08/24/98  
TIME: 12:45:58

INPUT SET: S3378.raw

206  
 207  
 208 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
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 210 TCGATCTTAA ACCAAATCCA GTTGATAAGG TCTCTTCGTT GATTAGCAGA GATCTCTTAA 60  
 211 ATTTGTGAAT TTCAATTCA CGGAACCTGT TG ATG GAC ACC ACC ATT GAT GGA 113  
 212 Met Asp Thr Thr Ile Asp Gly  
 213 1 5  
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 215 TTC GCC GAT TCT TAT GAA ATC AGC AGC ACT AGT TTC GTC GCT ACC GAT 161  
 216 Phe Ala Asp Ser Tyr Glu Ile Ser Ser Thr Ser Phe Val Ala Thr Asp  
 217 10 15 20  
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 219 AAC ACC GAC TCC TCT ATT GTT TAT CTG GCC GCC GAA CAA GTA CTC ACC 209  
 220 Asn Thr Asp Ser Ser Ile Val Tyr Leu Ala Ala Glu Gln Val Leu Thr  
 221 25 30 35  
 222  
 223 GGA CCT GAT GTA TCT GCT CTG CAA TTG CTC TCC AAC AGC TTC GAA TCC 257  
 224 Gly Pro Asp Val Ser Ala Leu Gln Leu Leu Ser Asn Ser Phe Glu Ser  
 225 40 45 50 55  
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 227 GTC TTT GAC TCG CCG GAT GAT TTC TAC AGC GAC GCT AAG CTT GTT CTC 305  
 228 Val Phe Asp Ser Pro Asp Asp Phe Tyr Ser Asp Ala Lys Leu Val Leu  
 229 60 65 70  
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 231 TCC GAC GGC CGG GAA GTT TCT TTC CAC CGG TGC GTT TTG TCA GCG AGA 353  
 232 Ser Asp Gly Arg Glu Val Ser Phe His Arg Cys Val Leu Ser Ala Arg  
 233 75 80 85  
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 235 AGC TCT TTC TTC AAG AGC GCT TTA GCC GCC GCT AAG AAG GAG AAA GAC 401  
 236 Ser Ser Phe Phe Lys Ser Ala Leu Ala Ala Lys Lys Glu Lys Asp  
 237 90 95 100  
 238  
 239 TCC AAC AAC ACC GCC GCC GTG AAG CTC GAG CTT AAG GAG ATT GCC AAG 449  
 240 Ser Asn Asn Thr Ala Ala Val Lys Leu Glu Leu Lys Glu Ile Ala Lys  
 241 105 110 115  
 242  
 243 GAT TAC GAA GTC GGT TTC GAT TCG GTT GTG ACT GTT TTG GCT TAT GTT 497  
 244 Asp Tyr Glu Val Gly Phe Asp Ser Val Val Thr Val Leu Ala Tyr Val  
 245 120 125 130 135  
 246  
 247 TAC AGC AGC AGA GTG AGA CCG CCG CCT AAA GGA GTT TCT GAA TGC GCA 545  
 248 Tyr Ser Ser Arg Val Arg Pro Pro Lys Gly Val Ser Glu Cys Ala  
 249 140 145 150  
 250  
 251 GAC GAG AAT TGC TGC CAC GTG GCT TGC CGG CCG GCG GTG GAT TTC ATG 593  
 252 Asp Glu Asn Cys Cys His Val Ala Cys Arg Pro Ala Val Asp Phe Met  
 253 155 160 165  
 254  
 255 TTG GAG GTT CTC TAT TTG GCT TTC ATC TTC AAG ATC CCT GAA TTA ATT 641  
 256 Leu Glu Val Leu Tyr Leu Ala Phe Ile Phe Lys Ile Pro Glu Leu Ile  
 257 170 175, 180  
 258

### **INPUT SET: S3378.raw**

\*\*\*\*\* PREVIOUSLY ERRORED SEQUENCES - EDITED \*\*\*\*\*

946 (2) INFORMATION FOR SEQ ID NO:28:  
947  
948 (i) SEQUENCE CHARACTERISTICS:  
949 (A) LENGTH: 21 base pairs  
950 (B) TYPE: nucleic acid  
951 (C) STRANDEDNESS: single  
952 (D) TOPOLOGY: linear  
953  
954 (ii) MOLECULE TYPE: DNA  
955 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:28:  
956  
957 RAAAYTCR CAN GTNCCY TTCA T  
958

21

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
PATENT APPLICATION **US/08/908,884**

DATE: 08/24/98  
TIME: 12:46:01

***INPUT SET: S3378.raw***

Line

Error

Original Text

INPUT SET: S3378.raw

This Raw Listing contains the General  
Information Section and those Sequences  
containing ERRORS.

1 SEQUENCE LISTING  
2

3 (1) General Information

4 (i) APPLICANT: Dong et al.

5 (ii) TITLE OF THE INVENTION:6 ACQUIRED RESISTANCE GENES AND USES THEREOF

7 (iii) NUMBER OF SEQUENCES: 28

8 (iv) CORRESPONDENCE ADDRESS:

9 (A) ADDRESSEE: Clark & Elbing LLP  
10 (B) STREET: 176 Federal Street  
11 (C) CITY: Boston  
12 (D) STATE: MA  
13 (E) COUNTRY: USA  
14 (F) ZIP: 02110

15 (v) COMPUTER READABLE FORM:

16 (A) MEDIUM TYPE: Diskette  
17 (B) COMPUTER: IBM Compatible  
18 (C) OPERATING SYSTEM: DOS  
19 (D) SOFTWARE: FastSEQ for Windows Version 2.0

20 (vi) CURRENT APPLICATION DATA:

21 (A) APPLICATION NUMBER:  
22 (B) FILING DATE:  
23 (C) CLASSIFICATION:

24 (vii) PRIOR APPLICATION DATA:

25 (A) APPLICATION NUMBER: 60/023,851  
26 (B) FILING DATE: August 9, 199627 (A) APPLICATION NUMBER: 60/035,166  
28 (B) FILING DATE: January 10, 199729 (A) APPLICATION NUMBER: 60/046,769  
30 (B) FILING DATE: May 16, 1997

31 (viii) ATTORNEY/AGENT INFORMATION:

32 (A) NAME: Elbing, Karen L  
33 (B) REGISTRATION NUMBER: 35,238

Does Not Comply  
Corrected Diskette Needed

**INPUT SET: S3378.raw**

46 (C) REFERENCE/DOCKET NUMBER: 00786/339004  
47  
48 (ix) TELECOMMUNICATION INFORMATION:  
49 (A) TELEPHONE: 617-428-0200  
50 (B) TELEFAX: 617-428-7045  
51  
52  
53

**ERRORED SEQUENCES FOLLOW:**

947 (2) INFORMATION FOR SEQ ID NO:28:  
948  
949 (i) SEQUENCE CHARACTERISTICS:  
950 (A) LENGTH: 21 base pairs  
951 (B) TYPE: nucleic acid  
952 (C) STRANDEDNESS: single  
953 (D) TOPOLOGY: linear  
954 *add "TYPE":*  
--> 955 (ii) MOLECULE DNA  
956 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:28:  
957  
958 RAAYTCRCAN GTNCCYTTCA T

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/908,884**

DATE: 08/24/98  
TIME: 12:44:18

***INPUT SET: S3378.raw***

Line	Error	Original Text
7 955	Mandatory Value Not Present Unknown or Misplaced Identifier	(ii) TITLE OF THE INVENTION: (ii) MOLECULE DNA

PAGE: 1

**SEQUENCE MISSING ITEM REPORT**  
PATENT APPLICATION *US/08/908,884*

DATE: 08/24/98  
TIME: 12:44:18

*INPUT SET: S3378.raw*

<< THERE ARE NO ITEMS MISSING >>